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L3: Entry 1 of 1

File: DWPI

DERWENT-ACC-NO: 1972-01842T

DERWENT-WEEK: 200395

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TITLE: Ferromagnetic chromium dioxide prodn - by oxidation of metallic chromium with chromium trioxide

PATENT-ASSIGNEE:

ASSIGNEE

CODE

MONTECATINI EDISON SPA

MONT

PRIORITY-DATA: 1970IT-0026412 (June 23, 1970)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> DE 2130547 A			000	
<input type="checkbox"/> BE 768910 A			000	
<input type="checkbox"/> NL 7108266 A			000	
<input type="checkbox"/> JP 47001566 A			000	
<input type="checkbox"/> FR 2096427 A			000	
<input type="checkbox"/> GB 1343622 A	January 16, 1974		000	
<input type="checkbox"/> CA 947041 A	May 14, 1974		000	

INT-CL (IPC): C01G 37/02

ABSTRACTED-PUB-NO: DE 2130547A

BASIC-ABSTRACT:

High purity CrO<sub>2</sub> is obtd. by oxidising metallic Cr, opt. passivated, with oxides of chromium having valence above 4, pref. CrO<sub>3</sub>, at 300-500 degrees C pref. 360-420 degrees under a pressure of 5-300 atm pref. 30-80. The process is simple and inexpensive.

The product is suitable for use in magnetic recorders. The metallic Cr is pref. powdered of particle size 0.01-0.5 mu.

TITLE-TERMS: FERROMAGNETIC CHROMIUM PRODUCE OXIDATION METALLIC CHROMIUM CHROMIUM

DERWENT-CLASS: E31 L03

CPI-CODES: E35-P; L02-G07A; L03-B02B;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

A424 A940 C730 C108 C803 C802 C807 C805 C804 C801  
C550 A400 N050 Q334 Q451 Q454 Q611 M720 M411 M902

Chemical Indexing M3 \*02\*

Fragmentation Code

A400 A421 A424 A940 A990 C108 C550 C730 C801 C802  
C803 C804 C805 C807 M411 M720 M903 N050 Q334 Q451  
Q454 Q611

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